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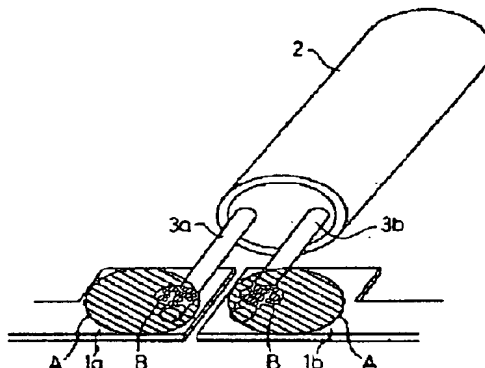
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(54) **LASER BEAM WELDING METHOD**

(57) Abstract:

PURPOSE: To reduce a laser beam energy input and to stabilize the quality by preheating a welding place by an infrared beam and subsequently, irradiating specified places of materials to be welded located at the preheating place with a laser beam to perform welding.

CONSTITUTION: The wider range A than two connecting terminals 3a and 3b of a quartz oscillator 2 is preheated with the infrared beam. Heat energy of the laser beam is then inputted instantaneously to a remarkably converged section toward the terminals 3a and 3b, in other words, the spot range B. Consequently, the respective connecting terminals 3a and 3b of the quartz oscillator 2 are welded to the specified places of lead frames 1a and 1b and the input of the laser beam energy is reduced, hence the fluctuation of the quality at the time of welding can be reduced.



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